



Indiana Department of Education

Glenda Ritz, NBCT

Indiana Superintendent of Public Instruction

Cut Score Recommendations: ECA College- and Career-Ready Assessment NCSC Alternate Assessment

State Board of Education Meeting September 16, 2015

Updated 9-13-15

Assessment Development Journey

Item Specifications;
Test Blueprints



Item Development;
Internal IDOE
Item Review

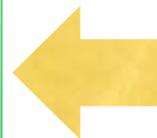


Content and
Bias/Sensitivity
Reviews

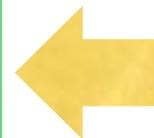


Blue font = Educator Involvement

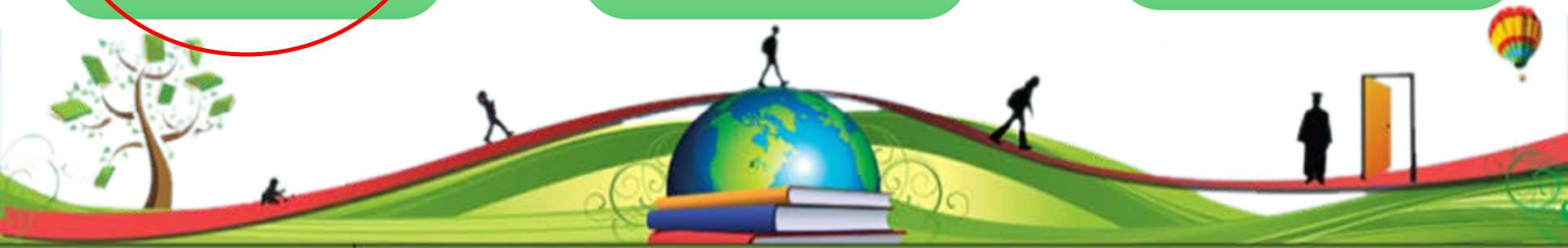
Standard Setting
(Cut Score
Setting)



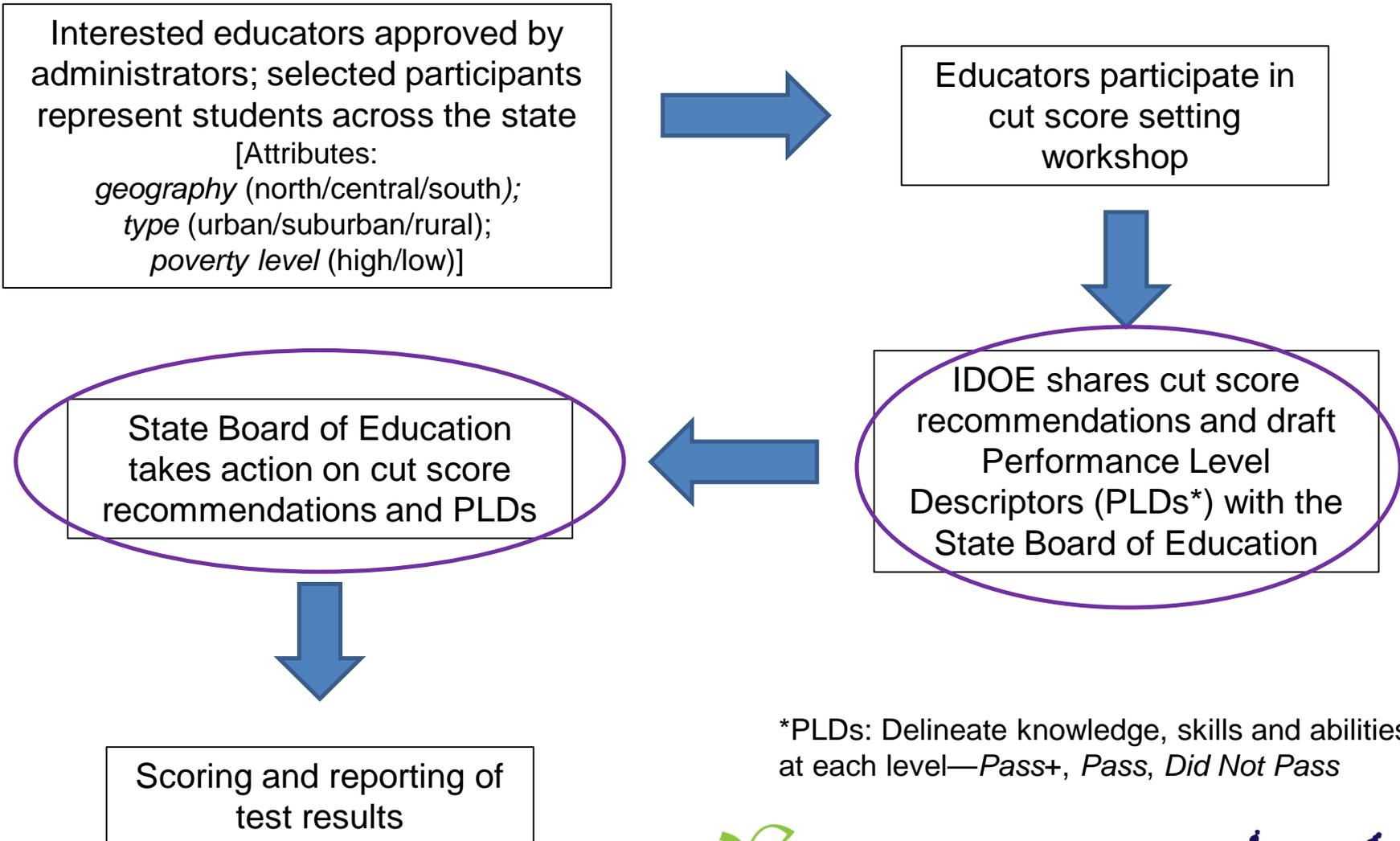
Pilot Items/
Administer
Operational Test



Revise/Select
Items



Indiana's Cut Score Setting Process



*PLDs: Delineate knowledge, skills and abilities at each level—*Pass+*, *Pass*, *Did Not Pass*

Standards vs. Standards

- **Content Standards**
 - What students are expected to know and be able to do
- **Performance/Achievement Standards**
 - Also referred to as “cut scores”
 - Delineate separation of performance levels
 - Indiana’s performance levels
 - Did Not Pass
 - Pass
 - Pass Plus

Cut Scores (aka “Standards”)

- A *cut score* is the minimum score a student must achieve on an assessment in order to be placed in a certain performance level. It distinguishes one performance level from the next.
- Two recommended cut scores will be presented to the State Board of Education for review and approval:
 - The cut score that differentiates Did Not Pass performance from Pass performance (the Pass cut)
 - The cut score that differentiates Pass performance from Pass Plus performance (the Pass Plus cut)

Performance Level Descriptors

- Referred to as “PLDs”
- Describe knowledge, skills and abilities at each performance level
 - *Pass+*
 - *Pass*
 - *Did Not Pass*
- Panelists reviewed draft PLDs to help determine cut score recommendations throughout the standard setting process.
- Panelists had the opportunity to fine-tune the draft PLDs as part of the cut score setting process.
- ECA CCRA and NCSC PLDs
 - Presented for State Board of Education review/approval



Indiana's Adopted Definitions

- Indiana Education Roundtable **Passing Score** Definition
“The scores to pass these tests will be set at the levels necessary for students to demonstrate **solid academic performance** on the standards.”
- Indiana Education Roundtable **Pass-Plus** Definition
“The scores to demonstrate ‘pass-plus’ on these tests will be set at the levels necessary for students to demonstrate **exemplary academic performance** on the standards.”

Cut Score Setting Workshop

- Guided by *Bookmark Standard Setting* process
- Educator Participants
 - Represented expertise in content and student populations
 - Statistically represented Indiana's students
 - Based on “attributes”
 - Geographic location (north, central, south)
 - Type of community (urban, suburban, rural)
 - Socioeconomic status (high or low poverty)
 - Three attributes combine to form a “cell.”
 - Sample school cell: south / urban / high poverty
 - 18 cells across Indiana



Cut Score Setting Process

- Cut Score Setting Workshops
 - ECA CCRA: July 28-29; NCSC: August 18-21
 - Process facilitated by vendor (Questar; Measured Progress)
 - Participants studied “Ordered Item Booklets”
 - Items arranged from least to most difficult
 - Based on student performance statistics from the assessments
 - Each participant set 3 rounds of bookmarks
 - Discussion occurred before and after each round; bookmarks always set as individuals
 - Panelists reviewed impact data after Rounds 2 and 3
 - Recommendations from educators include:
 - **Median** of individual bookmark placements (*Pass, Pass+*)
 - **Draft** Performance Level Descriptors (*Did Not Pass, Pass, Pass+*)



Cut Score Setting Review

- Technical Advisory Committee Members
 - ECA CCRA
 - Dr. Bill Auty, Dr. Karla Egan, Dr. Nancy Hahn
 - NCSC
 - Dr. Karla Egan, Dr. Nancy Hahn, Dr. Megan Karvonen
- Observed the Cut Score Settings
 - Appropriate process facilitated by vendors
 - Content-based discussions and recommendations
- Formal TAC meeting with IDOE at end of process
 - Reviewed cut score setting process
 - Analyzed teacher recommendations and results
 - Provided feedback and technical advice to the IDOE regarding cut score recommendations



Purpose of the Assessments

- Purpose of the Assessments: Accountability
 - ECA CCRA
 - CCRA portion of the Spring 2015 End of Course Assessments aligned to 2014 Indiana Academic Standards
 - CCRA portion not part of the graduation examination
 - NCSC
 - NCSC assessment aligned to 2014 Indiana Academic Standards



Assessment Participants

- **ECA CCRA**
 - **English/Language Arts**
 - Students enrolled in a course that counts as the second year of English credit
 - Vast majority of grade 10 Indiana students
 - **Mathematics**
 - Students that have not yet passed the Algebra I ECA
 - Predominantly retest students



Assessment Participants

- **NCSC***
 - English/Language Arts and Mathematics
 - Students with significant cognitive disabilities
 - Determined by Case Conference Committee

*For students who are unable to communicate and therefore cannot engage in the test once the administration begins, the assessment session is “closed” by the examiner.



ECA CCRA

ECA CCRA Cut Score Recommendations



Indiana
Department of Education

Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

A View of the Data: ECA CCRA

English 10

Recommended Cut Scores: *Pass*

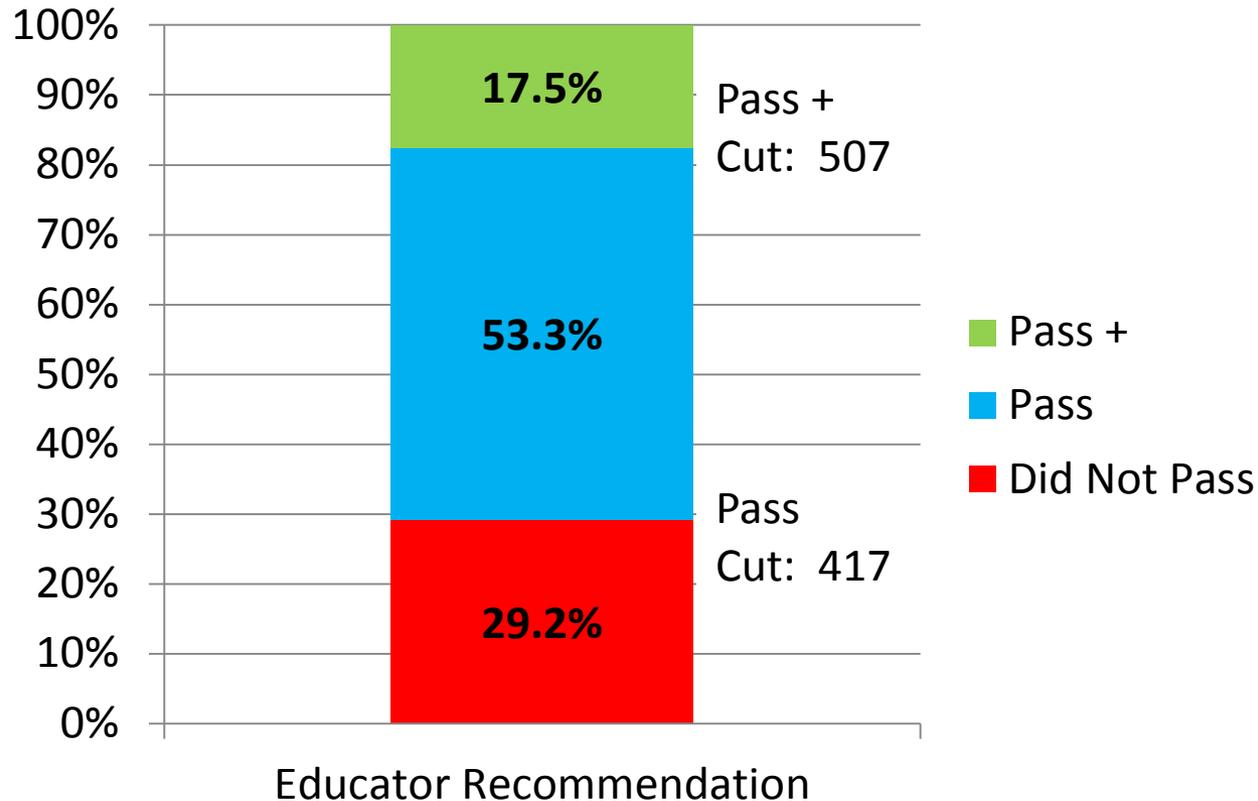
Grade	Educator	Minimum Score	Maximum Score
10	417	250	650

Recommended Cut Scores: *Pass+*

Grade	Educator	Minimum Score	Maximum Score
10	507	250	650



ECA CCRA English 10: Percent of Students by Performance Level



A View of the Data: ECA CCRA

Algebra I

Recommended Cut Scores: *Pass*

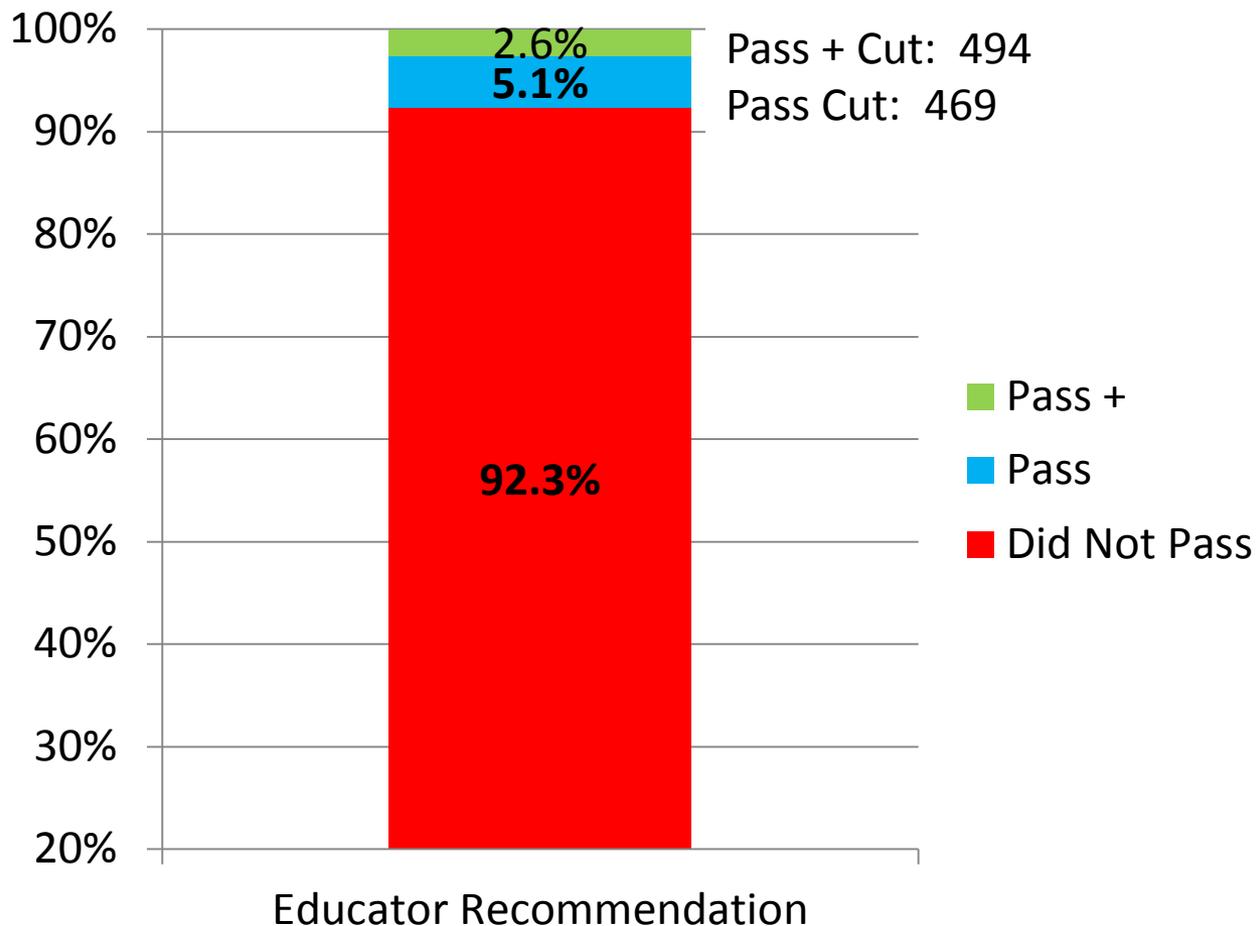
Grade	Educator	Minimum Score	Maximum Score
10	469	150	550

Recommended Cut Scores: *Pass+*

Grade	Educator	Minimum Score	Maximum Score
10	494	150	550



ECA CCRA Algebra I: Percent of Students by Performance Level



NCSC

NCSC Cut Score Recommendations



**Indiana
Department of Education**

Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

NCSC English/Language Arts

Recommended Cut Scores: *Pass* and *Pass+*

Grade	IDOE <i>Pass / Pass+</i>	Educator <i>Pass / Pass+</i>	Minimum Score	Maximum Score
3	1234 / 1244	1236 / 1244	1200	1290
4	1236 / 1248	1236 / 1248	1200	1290
5	1236 / 1245	1236 / 1245	1200	1290
6	1232 / 1246	1232 / 1246	1200	1290
7	1239 / 1257	1239 / 1261	1200	1290
8	1234 / 1248	1234 / 1248	1200	1290
10	1240 / 1255	1238 / 1252	1200	1290

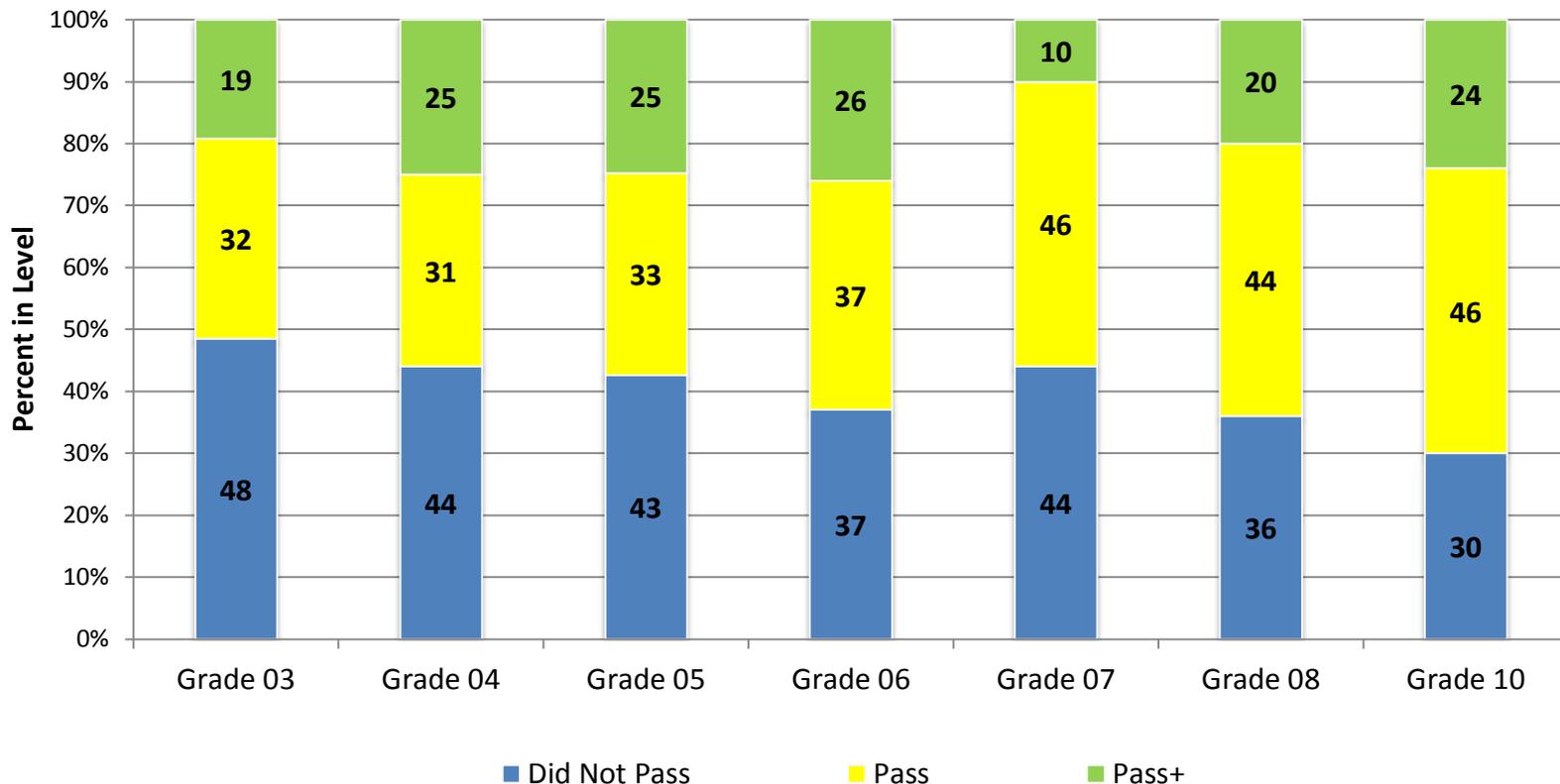
Bold font = IDOE technical recommendation differs from Educator recommendation



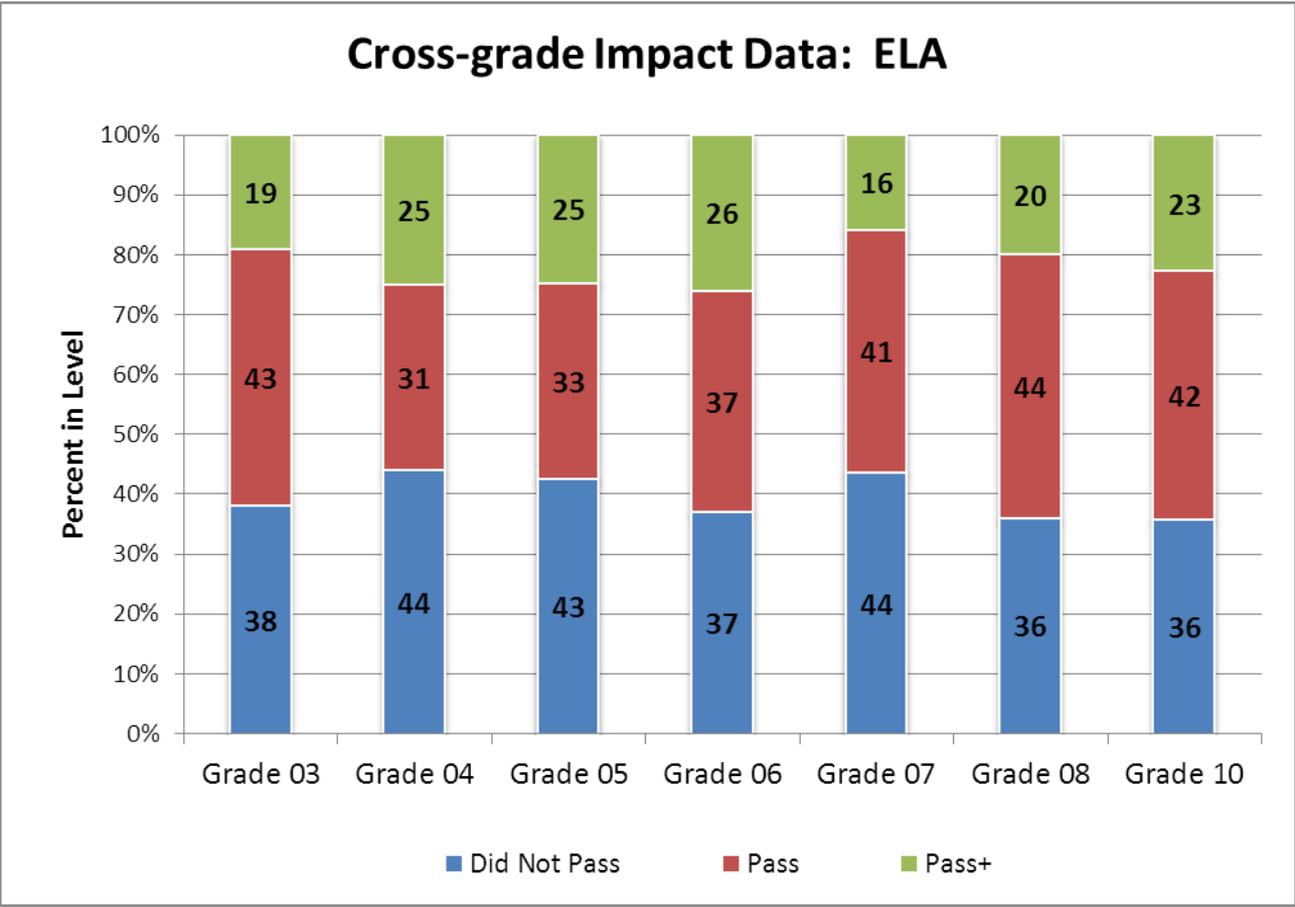
Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

Educator Recommendations: ELA

Cross-grade Impact Data: ELA

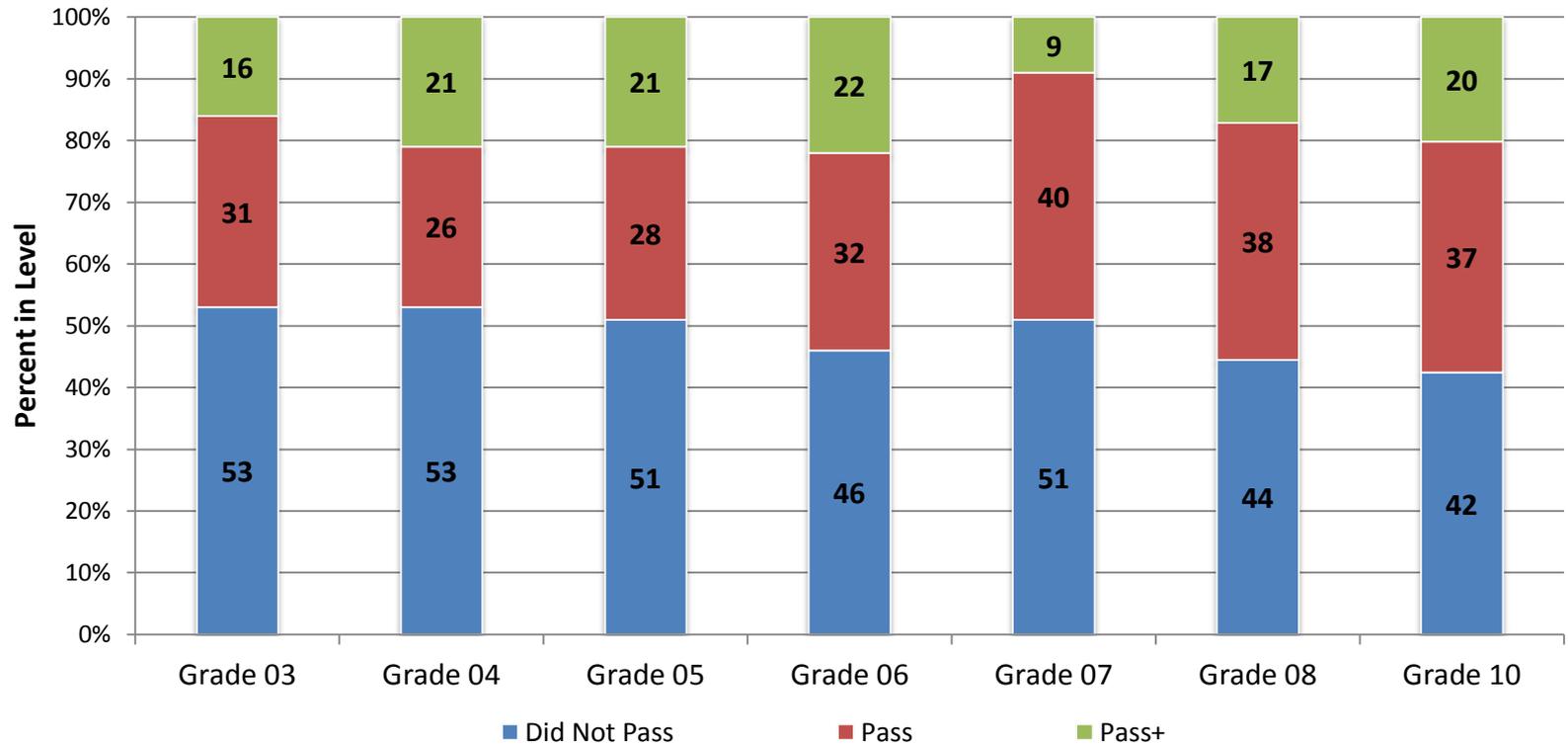


IDOE Recommendations: ELA



Closed Test Data Included: ELA

Cross-grade Impact Data: ELA



For students who are unable to communicate and therefore cannot engage in the test once the administration begins, the assessment session is “closed” by the examiner. *These bar graphs represent test results including students for whom the test was closed.*

NCSC Mathematics

Recommended Cut Scores: *Pass* and *Pass+*

Grade	IDOE <i>Pass / Pass+</i>	Educator <i>Pass / Pass+</i>	Minimum Score	Maximum Score
3	1236 / 1247	1236 / 1247	1200	1290
4	1235 / 1249	1237 / 1251	1200	1290
5	1236 / 1254	1236 / 1256	1200	1290
6	1237 / 1246	1237 / 1246	1200	1290
7	1237 / 1246	1237 / 1246	1200	1290
8	1238 / 1248	1238 / 1248	1200	1290
10	1240 / 1249	1240 / 1249	1200	1290

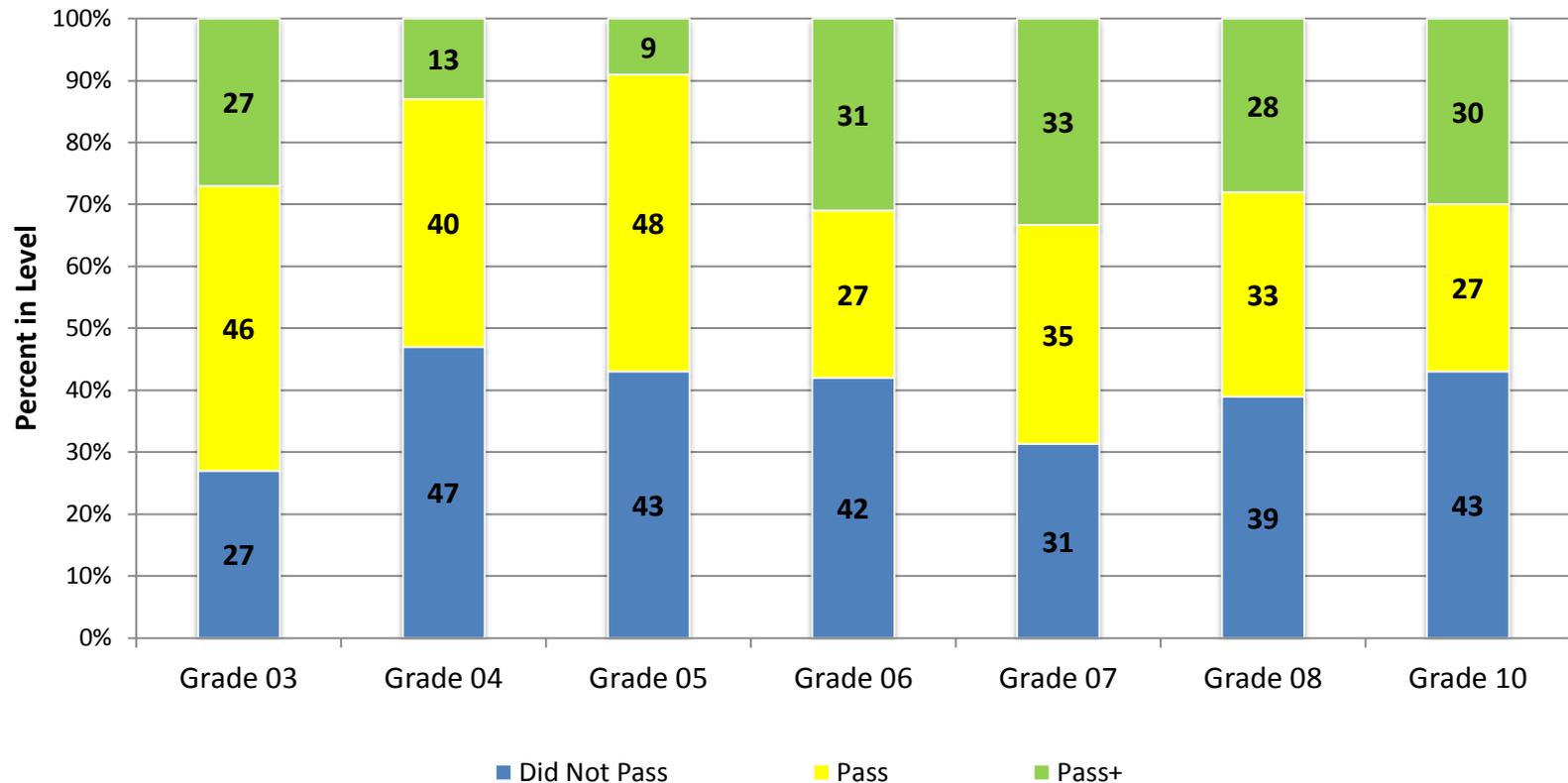
Bold font = IDOE technical recommendation differs from Educator recommendation



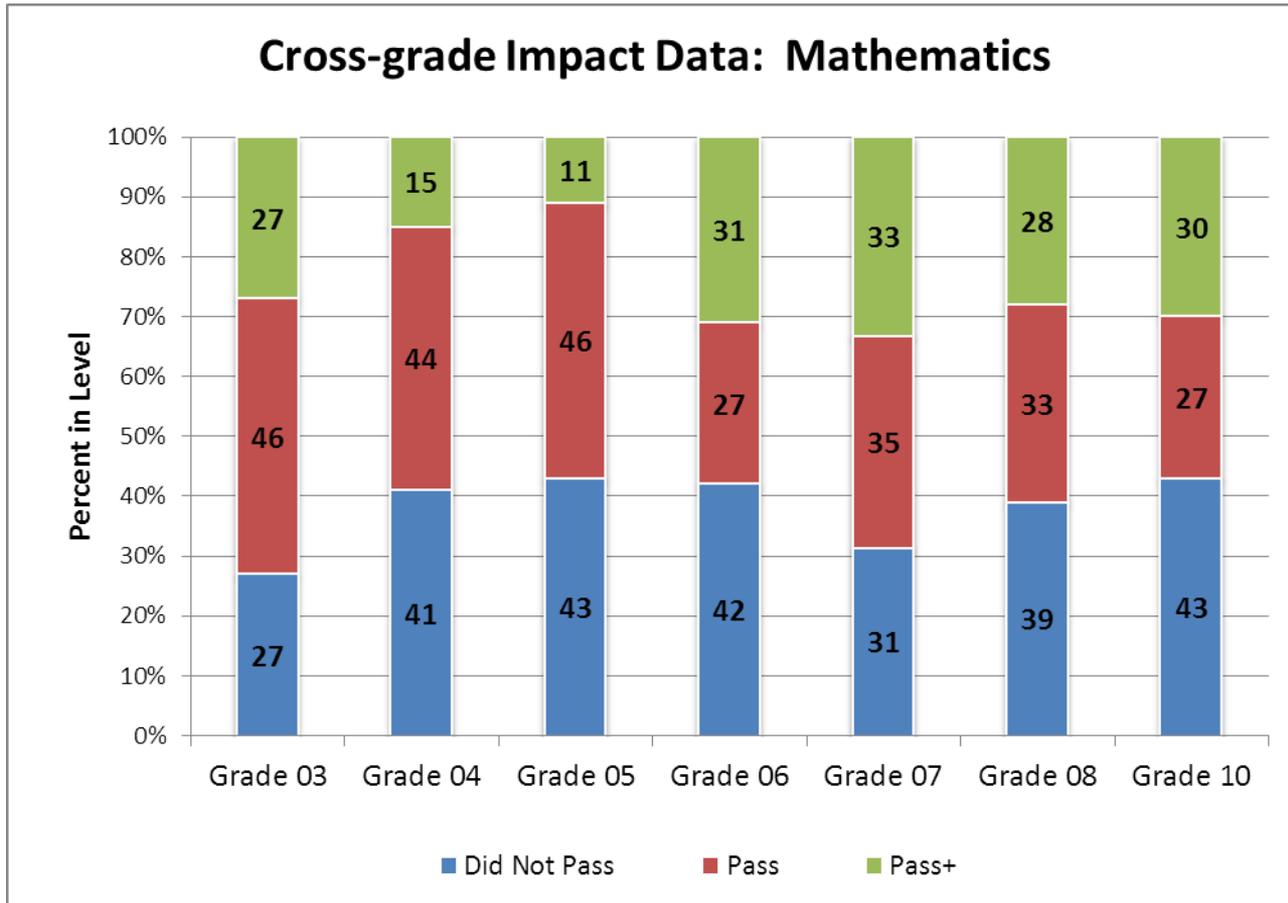
Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

Educator Recommendations: Math

Cross-grade Impact Data: Mathematics

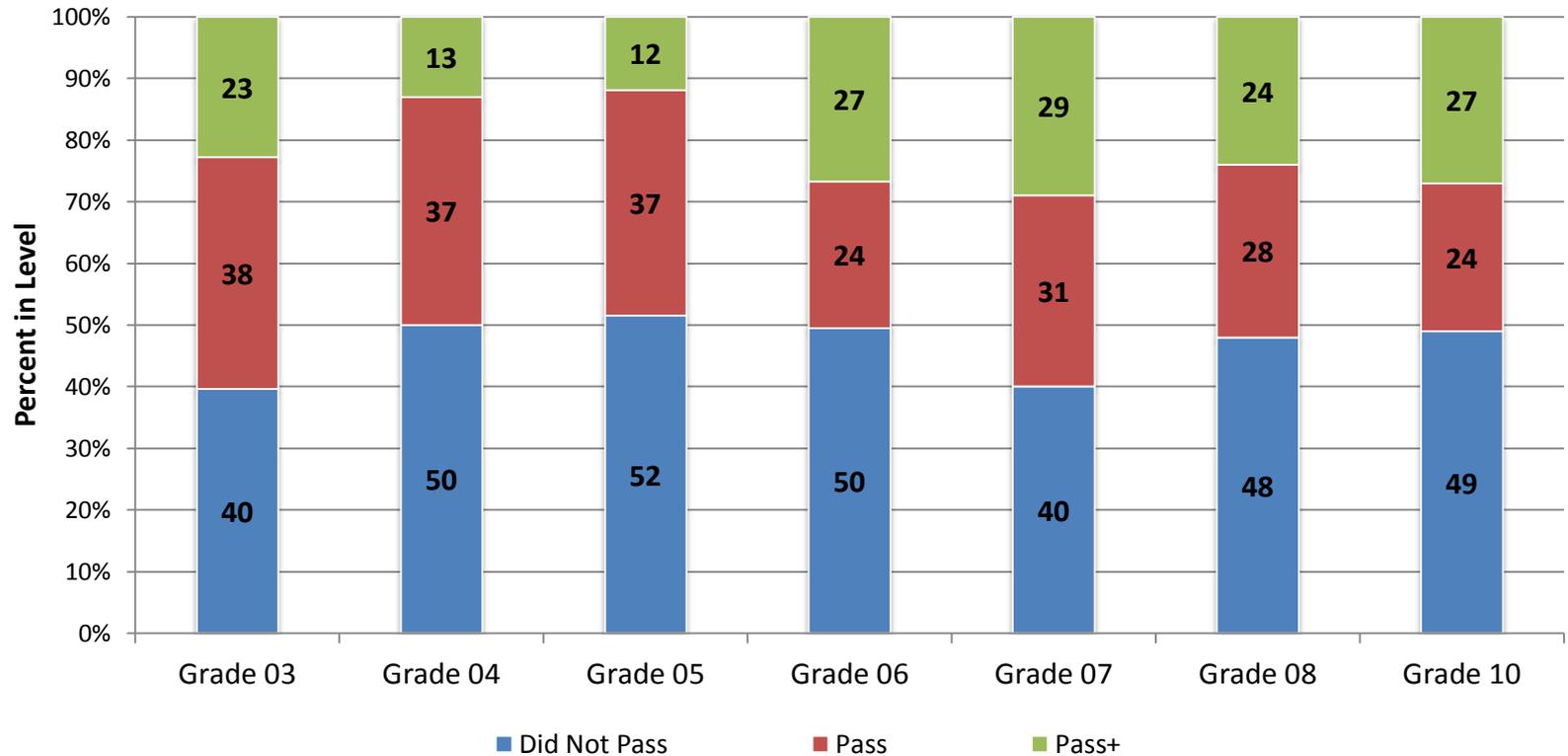


IDOE Recommendations: Math



Closed Test Data Included: Math

Cross-grade Impact Data: Mathematics



For students who are unable to communicate and therefore cannot engage in the test once the administration begins, the assessment session is “closed” by the examiner. *These bar graphs represent test results including students for whom the test was closed.*

State Board Action Requested

- **Approval of cut score recommendations**
 - ECA College- and Career-Ready Assessment
 - NCSC Alternate Assessment
- **Approval of Performance Level Descriptors (PLDs)**
 - *Pass+*
 - *Pass*
 - *Did Not Pass*



Indiana
Department of Education

Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

Questions?

Thank You

Dr. Michele Walker, Director
Office of Student Assessment



Indiana
Department of Education

Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction